

REMARKS

Claims 1-23 and 32-53, as amended, remain herein. Claims 24-31 and 54-59 remain herein but are presently withdrawn from consideration.

Applicants appreciate the statements in the Office Action that claims 1-18 and 32-53 are allowed, and that claims 20-23 would be allowable if rewritten to include all of the limitations of the independent claim and any intervening claims.

Claim 19 has been amended affirmatively to recite a structural element for providing an injection direction, i.e., a liquid crystal material injection port located between the first substrate and the second substrate. See Fig. 2, injection port 5.

1. Claim 19 was rejected under 35 U.S.C. §103(a) over Park et al. U.S. Patent 6,351,300 and Suzuki et al. U.S. Patent 5,579,141.

The presently claimed a liquid crystal display panel includes a liquid crystal material injection port located between a first substrate and a second substrate, wherein the

injection port is for injecting the material in an injection direction parallel to a first alignment processing direction of the first substrate and a second alignment processing direction of the second substrate to form the liquid crystal layer having a homogeneous alignment structure in its initial alignment state. This arrangement is nowhere disclosed or suggested in the cited references.

The Office Action cites Park '300 as allegedly disclosing a liquid crystal device having two alignment layers and admits that Park '300 does not disclose regions with different pretilt angles between the two alignment layers, and cites Suzuki '141 as allegedly teaching same. However, neither Park '300 nor Suzuki '141 discloses a liquid crystal device including structure for ensuring that the liquid crystal material (1) is located relative to alignment directions of the substrates and (2) has a homogeneous alignment structure in its "initial" alignment state. Neither Park '300 nor Suzuki '141 describes specific structure or even a method for locating the liquid crystal material so that it has an initial homogeneous alignment structure relative to the alignment directions of the substrates. As described in applicants' specification, page 1, first paragraph, such initial alignment state is upon initial

injection of the liquid crystal material between the substrates of the liquid crystal device. Suzuki '141 does not disclose or suggest a liquid crystal material injection port located between the first and second substrates, wherein the injection port is for injecting the material in an injection direction parallel to a first alignment processing direction of the first substrate and a second alignment processing direction of the second substrate to form the liquid crystal layer, wherein the liquid crystal material has a homogeneous alignment structure in its initial alignment state, as recited in applicants' claim 1.

For the foregoing reasons, neither Park '300 nor Suzuki '141 contains any teaching, suggestion, reason, motivation or incentive that would have led one of ordinary skill in the art to applicants' claimed invention. Nor is there any disclosure or teaching in either of these references that would have suggested the desirability of combining any portions thereof effectively to anticipate or suggest applicants' presently claimed invention. Accordingly, reconsideration and withdrawal of this rejection are respectfully requested.

Serial No. 09/830,414

All claims 1-23 and 32-53 are now proper in form and patentably distinguished over all grounds of rejection stated in the Office Action. Accordingly, allowance of all claims 1-23 and 32-53 is respectfully requested.

Should the Examiner deem that any further action by the applicants would be desirable to place this application in even better condition for issue, the Examiner is requested to telephone applicants' undersigned representatives.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.

August 2, 2004

Date



Roger W. Parkhurst  
Registration No. 25,177  
Robert N. Wieland  
Registration No. 40,225

RWP:RNW/klb:mhs

Attorney Docket No.: OGOH:075

PARKHURST & WENDEL, L.L.P.  
1421 Prince Street, Suite 210  
Alexandria, Virginia 22314-2805  
Telephone: (703) 739-0220

PLEASE ACCEPT THIS AS  
AUTHORIZATION TO DEBIT  
OR CREDIT FEES TO  
DEP. ACCT. 16-0331  
PARKHURST & WENDEL